

X540 Resilon-T® Materials

Proprietary High Performance Polymer



Successful Non-lubricated Applications for X540 Material

Gas	Temperature (°F)	Pressure (psi)	Previous Life (hrs)	Current Life (hrs)
Hydrogen	240	638	2,700	8,100
Nitrogen	212	344	4,000	10,000+
Ethylene	188	130	6,500	24,000
Methane	295	392	4,500	12,000+
Propane	150	260	2,000	12,000+
Propylene	257	550	1,100	3,800
Hydrogen Mix	240	646	2,700	8,000
Ammonia	265	465	2,500	14,000

CECO created Resilon-T® X540 material for both non-lubricated and lubricated applications. X540 is a proprietary blend of polymers produced for reciprocating compressors operating in wet and dry environments. X540 excels in:

- Natural gas from < 200 ppm to > 1100 ppm moisture non-lube.
- Temperatures from ambient to 350°F.
- Pressures up to 4300 psi.
- Pressure ratio up to 2.8.

X540 Benefits

Provides 2-7 times lower wear rates than competitive materials

Available as solid or split rider band designs

Operates from bone dry to wet gas conditions

Available for piston rings, rider bands and pressure packing

Call for a Solution:

800-TRY-CECO

800-879-2326

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